

REMARKS / DISCUSSION OF ISSUES

Claims 2-19 are pending in the application, where claims 15-18 have been added. Claims 2, 11 and 19 are independent.

The Office Action rejects claims 2-19 under 35 U.S.C. §103(a) over U.S. Patent No. 6,717,355 (Takahashi) in view of U.S. Patent No. 6,305,818 (Lebens). Applicant respectfully traverses and submits that claims 2-19, as amended, are patentable over Takahashi and Lebens for at least the following reasons.

Takahashi is directed to a light-emitting device with an emission wavelength range of from 360 nm to 550 nm, where a fluorescent material is used to change the wavelength of the emitted light. The light-emitting device may be turned on intermittently by a pulse current.

Lebens is directed to a flashlight having light-emitting diodes (LEDs) and an electrical circuit that selectively applies power from a DC voltage source to the LEDs. The electrical circuit includes a control circuit for maintaining a predetermined light output level of the LED units as a charge on a battery varies. In another embodiment, the control circuit maintains an average predetermined light output level of the LED units as the charge on the battery cell varies, by changing a pulse width or frequency as the charge on the battery cell varies to maintain a given average light output.

It is respectfully submitted that Takahashi, Lebens, and combination thereof, do not teach or suggest the present invention as recited in independent claim 2, and similarly recited in independent claims 11 and 19 which, amongst other patentable elements, recites (illustrative emphasis provided):

determining a modulation for a driving current signal by calculating needed parameters for the modulation based on at least the sensed CCT, based on manufacturer data, and based on a desired CCT under varying operational conditions including temperature, total light output, and phosphor composition, wherein the calculating includes

simultaneously solving at least two equations using a
pre-selected coordinate pair for the desired CCT.

Determining the modulation by calculating needed parameters based on manufacturer data, and a desired CCT under varying operational conditions including temperature, total light output, and phosphor composition, where the calculating includes simultaneously solving at least two equations using a pre-selected coordinate pair for the desired CCT, is nowhere disclosed or suggested in Takahashi and Lebens, alone or in combination. Accordingly, it is respectfully submitted that independent claims 2, 11 and 19 are allowable. In addition, claims 3-10 and 12-18 are allowable at least because they depend from independent claims 2 and 11, as well as for the separately patentable elements contained in each of the dependent claims.

In view of the foregoing, applicant respectfully requests that the Examiner withdraw the rejections of record, allow all the pending claims, and find the application in condition for allowance. If any points remain in issue that may best be resolved through a personal or telephonic interview, the Examiner is respectfully requested to contact the undersigned at the telephone number listed below.

Respectfully submitted,



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